

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/082902 A1

(51) International Patent Classification⁷: C07D 457/00

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/US2005/004933

(22) International Filing Date: 17 February 2005 (17.02.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/546,559 20 February 2004 (20.02.2004) US

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicants (for all designated States except US): IVAX CORPORATION [US/US]; 4400 Biscayne Boulevard, Miami, FL 33137 (US). IVAX PHARMACEUTICALS, S.R.O. [CZ/CZ]; Ostravská 29, 747 70 Opava 9 (CZ).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (for US only): CVAK, Ladislav [CZ/CZ]; Solna 19, 746 01 Opava (CZ). MOJCZEK, Vlastislav [CZ/CZ]; Kajlovec 65, 747 41 Hradec nad Moravici (CZ).

(74) Agent: DIXIT, Manesh, A.; IVAX Corporation, 4400 Biscayne Boulevard, Miami, FL 33137 (US).

WO 2005/082902 A1

(54) Title: PROCESS FOR THE MANUFACTURE OF LYSERGIC ACID

(57) Abstract: Lysergic acid is formed in high yields and high quality by isomerizing paspalic acid in a phase separated mixture formed by paspalic acid and a concentrated aqueous metal hydroxide solution.